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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/545,707	09/28/1998	HARRY WILLIAM DECKMAN	93A007	6305

7590 02/07/2006

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EXAMINER

JOHNSON, CHRISTINA ANN

ART UNIT	PAPER NUMBER
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1725

DATE MAILED: 02/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Examiner-Initiated Interview Summary	Application No. 08/545,707		Applicant(s) DECKMAN ET AL.	
	Examiner Christina Johnson		Art Unit 1725	

All Participants:

(1) Christina Johnson.

(2) Mr. Bruce Bordelon.

Date of Interview: 2 February 2006

Type of Interview:
☒ Telephonic
☐ Video Conference
☐ Personal (Copy given to: ☐ Applicant ☐ Applicant's representative)

Exhibit Shown or Demonstrated: ☐ Yes ☐ No
 If Yes, provide a brief description:

Status of Application: _____

(3) _____

(4) _____

Time: _____

Part I.

Rejection(s) discussed:

Claims discussed:
none

Prior art documents discussed:

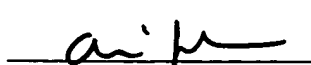
Part II.

SUBSTANCE OF INTERVIEW DESCRIBING THE GENERAL NATURE OF WHAT WAS DISCUSSED:
Mr. Bordelon agreed to fax a Brief Description of the Figures to be included in the attached Examiner's Amendment.

Part III.

☒ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview directly resulted in the allowance of the application. The examiner will provide a written summary of the substance of the interview in the Notice of Allowability.

☐ It is not necessary for applicant to provide a separate record of the substance of the interview, since the interview did not result in resolution of all issues. A brief summary by the examiner appears in Part II above.



 (Examiner/SPE Signature)

 (Applicant/Applicant's Representative Signature – if appropriate)

SUPPLEMENTAL EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Bruce Bordelon on February 2, 2006.

The application has been amended as follows:

In the Specification:

Inserted the following on page 4, prior to line 3:

BRIEF DESCRIPTION OF THE FIGURES

[0001] Figure 1 is a Scanning Electron Microscopy ("SEM") image of the cross-section of a silica/zeolite layer manufactured on a porous alpha-alumina support by spin-coating in conjunction with the use of a temporary barrier layer.

[0002] Figure 2 is a SEM image of the cross-section of a silica/zeolite layer manufactured on a porous alpha-alumina support by spin-coating in conjunction without the use of a temporary barrier layer.

[0003] Figure 3 is a SEM image of the cross-section of a silica/zeolite layer manufactured on a alpha-alumina support by spin-coating in conjunction with the use of a permanent barrier layer.

[0004] Figure 4 is a SEM image of the top-view of a silica/zeolite layer manufactured on a alpha-alumina support by spin-coating in conjunction with the use of a permanent barrier layer.

[0005] Figure 5 is a data plot illustrating the separation properties of a silica/zeolite layer manufactured on a alpha-alumina support by spin-coating in conjunction with the use of a permanent barrier layer as shown in Figures 3 and 4. The data plot shows of a relative molar concentrations of the permeate obtained from subjecting the structure to an equimolar mixture of toluene, m-xylene, n-octane, and i-octane.

[0006] Figure 6 is an SEM image of the cross-section of a silica/zeolite layer manufactured on a porous alpha-alumina support by spin-coating in conjunction with the use of a temporary barrier layer and hydrothermal crystallization techniques.

[0007] Figure 7 is a SEM image of the top-view of a silica/zeolite layer manufactured on alpha-alumina support by dipping the support into a silica/zeolite mixture in conjunction with the use of an aging solution and heat treatment.

[0008] Figure 8 is a SEM image of the cross-section of a silica/zeolite layer manufactured on alpha-alumina support by dipping the support into a silica/zeolite mixture in conjunction with the use of an aging solution and heat treatment.

[0009] Figure 9 is an SEM image of an alpha-alumina support surface prior to in-situ formation of zeolite crystals on the support.

[0010] Figure 10 is an SEM image of an alpha-alumina support surface following in-situ formation of zeolite crystals on the support at 150 °C followed by calcining.

[0011] Figure 11 is an SEM image of an alpha-alumina support surface following in-situ formation of zeolite crystals on the support at 98 °C followed by calcining.

[0012] Figure 12 is an SEM image (at 156x magnification) of a alpha-alumina support surface following in-situ formation of zeolite crystals on the support at 120 °C followed by calcining.

[0013] Figure 13 is an SEM image (at 10,000x magnification) of the same alpha-alumina support surface as Figures 12 and 14.

[0014] Figure 14 is an SEM image (at 80,000x magnification) of the same alpha-alumina support surface as Figures 12 and 13.

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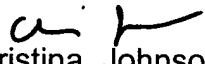
[0015] Figure 15 is an SEM image of a cross-section of a alpha-alumina support surface following in-situ formation of zeolite crystals on the support at 120 °C followed by calcining as shown in Figures 12-14.

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christina Johnson whose telephone number is (571) 272-1176. The examiner can normally be reached on Monday-Friday, 7:30-5, with Alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on (571) 272-1171. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Christina Johnson
Primary Examiner
Art Unit 1725

2/3/06

CAJ
February 3, 2006